

## **625 LINSEED OIL TREATMENT**

### **625.01 DESCRIPTION**

Work consists of applying boiled linseed oil-petroleum spirits to hardened PCC surfaces. When required by the contract documents, it shall be applied to:

PCC Roadway Pavement (Exposed)

PCC Curb and Gutter

Precast Basin Tops

PCC Sidewalk and Safetywalk

PCC Median

PCC Wheelchair/Bicycle Ramp

Linseed oil treatment shall not be applied to PCC exposed aggregate sidewalks, brick paving or to granite curb. Repair- Replace PCC work shall be treated as directed by the Engineer.

### **625.02 MATERIALS**

Boiled Linseed Oil - 821.12

Petroleum spirits - ASTM D 235

### **625.03 CURING AND PREPARATION OF CONCRETE**

Concrete shall have been in place not less than 14 days and the concrete surface shall be dry for at least 48 hours prior to application of the linseed oil mixture. The surface shall be free from oil, grease, dirt or other foreign material. Laitance shall be removed by sandblasting or other approved method.

Immediately before treatment an air blast shall be directed over the surface to remove all dirt and dust.

### **625.04 APPLICATION**

As soon as practicable after preparation of concrete surfaces, the mixture shall be applied and meet the following conditions:

**(A) TEMPERATURE.** Treatment shall not be applied when the concrete or ambient air temperature is less than 70 F. During those months when 70°F is not obtainable, the Engineer may allow application of the treatment when concrete or ambient air temperature is not below 50°F provided PCC surfaces are dry and can be expected to remain free from inclement weather conditions until surfaces regain dry appearance. Under no condition shall the mixture be heated.

**(B) APPLICATION METHOD.** A pressure distributor shall be used for application on all surfaces where possible. On surfaces inaccessible to the distributor a hand spray nozzle attachment supplying a uniform even spray shall be used.

**(C) APPLICATION RATE.** Concrete surface shall be given 2 applications of the mixture. Each

application shall be applied at the rate of 0.02 gallon per square yard of surface. The second application shall not be made until the concrete, as determined by the Engineer, has regained its dry appearance. In special cases, it may be necessary to adjust the rate of application due to temperature or characteristics of the concrete being treated.

## **625.05 MEASURE AND PAYMENT**

The unit of measurement for Linseed Oil Treatment will be the square yard.

The actual number of square yards of Linseed Oil Treatment used will be paid for at the contract unit price per square yard, which payment will include preparation of surfaces, furnishing, spraying, and protecting the treated surfaces, and all labor, tools, materials, equipment and incidentals necessary to complete the work.